US-PAT-NO: 5843057
DOCUMENT-IDENTIFIER: US 5843057 A

TITLE: Film-nonwoven laminate containing an adhesively-reinforced stretch-thinned film

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McCormack; Ann Louise	Cumming	GA		

US-CL-CURRENT: 604/367; 128/849, 2/904, 442/382, 442/393, 442/400, 442/401, 442/76

ABSTRACT:

The present invention is directed to film-nonwoven laminates incorporating stretch-thinned, breathable films onto which a pattern or network of adhesive areas is applied to improve durability and strength of the stretch-thinned film. The present invention has applicability in a wide variety of areas where strength, comfort, liquid impermeability and breathability are needed or desired, including without limitation, personal care absorbent articles, articles of clothing, roll goods and health care-related items.

22 Claims, 5 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 3

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 2657396 A Relevance Rank: 99

L2: Entry 4 of 4 File: USPT Nov 3, 1953

US-PAT-NO: 2657396
DOCUMENT-IDENTIFIER: US 2657396 A

TITLE: TEXT NOT AVAILABLE

DATE-ISSUED: November 3, 1953

US-CL-CURRENT: 4/536; 165/46, D02/743

Full | Title | Citation | Front | Review | Classification | Date | Reference | KWIC | Draw Desc | Image

☐ 2. Document ID: US 3804086 A Relevance Rank: 93

L2: Entry 3 of 4 File: USPT Apr 16, 1974

US-PAT-NO: 3804086
DOCUMENT-IDENTIFIER: US 3804086 A

TITLE: SURGICAL VACUUM APPAREL

DATE-ISSUED: April 16, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Agnew; Boyd F.	Newport Beach	CA	92660	

US-CL-CURRENT: 128/202.19; 128/206.28

ABSTRACT:

An air harness in the form of a belt and a pair of suspenders is made of flexible multi-apertured tubing. Ends of the tubing are coupled to a connector positioned behind the wearer and having a rearwardly projecting main vacuum duct that connects to a vacuum hose. The harness and connector are positioned entirely beneath the surgical gown and may be either separable or inseparable therefrom. Air is drawn into the gown and, together with particles shed from the wearer's body, is drawn into the harness tubing for disposal at a remote location. An oronasal vacuum aspirator worn under or formed as a part of a surgical mask is connected to the rearwardly extending vacuum duct. Particles of bacteria and moisture exhaled or shed from the wearer, both in the vicinity of his head and in the vicinity of his torso, are collected by the vacuum system for remote disposal.

10 Claims, 19 Drawing figures Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | KWIC | Draw Desc | Image

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☐ 3. Document ID: US 4146933 A Relevance Rank: 93

L2: Entry 2 of 4 File: USPT Apr 3, 1979

US-PAT-NO: 4146933
DOCUMENT-IDENTIFIER: US 4146933 A

TITLE: Conditioned-air suit and system

DATE-ISSUED: April 3, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jenkins; Barry R.	Circleville	UT	84723	
Roberts; Waldo C.	Salt Lake City	UT		
Roberts; Frank W.	Midvale	UT		

US-CL-CURRENT: 2/458; 2/108, 2/79, 2/DIG.1, 2/DIG.3

ABSTRACT:

A conditioned-air suit and system wherein a user may have his person made more comfortable during excessively warm or cold environmental conditions. The suit or jacket or coat, as the case may be, is provided with air-conditioning hose connections at both front and left sides and also at the rear of the apparel, for purposes hereinafter enumerated. A hood is provided such that forced conditioned air will be effective to cause a separation between hood materials so as to provide a blanket of conditioned air between the head of the wearer and exterior environs. Knee and shoulder areas are constructed to provide for vertical air travel paths about the joint areas. Wrist and ankle areas can be provided with elastomeric cuffs, as desired. The system herein comprehends inclusion of an air-conditioned suit with a source of heated, cooled, or otherwise conditioned air from a variety of sources, and this for a variety of uses and functions as hereinafter pointed out.

4 Claims, 11 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full | Title | Citation | Front | Review | Classification | Date | Reference | KWIC | Draw Desc | Image

☐ 4. Document ID: US 5049005 A Relevance Rank: 93

L2: Entry 1 of 4 File: USPT Sep 17, 1991

US-PAT-NO: 5049005
DOCUMENT-IDENTIFIER: US 5049005 A

TITLE: Device for the assembly or mechanical reinforcement and the anti-corrosion treatment of elements of immersed structures, and assembly and treatment process relating thereto

DATE-ISSUED: September 17, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lazare; Francois	Le Lignon			CHX
Genet; Roger	Le Lignon			CHX

US-CL-CURRENT: 405/216; 403/191, 403/385, 403/403, 405/211

ABSTRACT:

A device and process for reinforcing underwater structures of branched joints having a main element (1) and at least one secondary element (2), one end to which is integral with the surface of element (1). The device incorporates a flange (3, 3'), a first portion (3') of which is initially fixed to the secondary element (2), and a second portion (3') of which is thereafter fixed to the first portion. The flange portions define an annular space between the flange and the elements. A liquid composition which generates an elastic polymerized material (4) is introduced into an enclosure to fill the annular space and encapsulate the flange, which enclosure defines the outer boundary of the polymerized material (4).

29 Claims, 4 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 2

US-PAT-NO: 5626947
DOCUMENT-IDENTIFIER: US 5626947 A

TITLE: Composite chemical barrier fabric for protective garments

DATE-ISSUED: May 6, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hauer; Ernst J.	Steinheim			LUX
Rudys; Stasys K.	Luxembourg			LUX
Zeigler; James P.	Richmond	VA		

US-CL-CURRENT: 428/195; 428/102, 428/104

ABSTRACT:

Composite chemical barrier films and fabrics that are particularly useful in protective garments. The composite barrier material may be made by laminating a barrier film to a flexible substrate using a thermoplastic resin and topcoating the barrier film with a similar or dissimilar thermoplastic resin to allow fabric seaming when the fabric is fabricated into a protective garment. Protective garments made from the materials are lightweight while maintaining an adequate balance of strength and chemical protection.

10 Claims, 3 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full | Title | Citation | Front | Review | Classification | Date | Reference
KWIC | Draw Desc | Image

☐ 4. Document ID: US 5843057 A Relevance Rank: 93

L1: Entry 1 of 4 File: USPT Dec 1, 1998

US-PAT-NO: 5811359
DOCUMENT-IDENTIFIER: US 5811359 A

TITLE: Fire-retardant barrier structure

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Romanowski; John C.	Londonderry	NH	03053	

US-CL-CURRENT: 442/261; 428/36.1, 428/36.2, 428/36.3, 428/36.4, 428/36.5, 428/36.6, 428/36.7, 442/255

ABSTRACT:

Fire-retardant barrier structures. The fire-retardant barrier structures are useful for protecting military personnel and equipment from both fire and chemical and/or biological agents. The fire-retardant barriers are multilayer structures having desirable flammability characteristics and resistance to nuclear, chemical and/or biological agents. The preferred barriers also possess favorable durability properties and are printable.

20 Claims, 4 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 1

☐ 3. Document ID: US 5626947 A Relevance Rank: 93

L1: Entry 3 of 4 File: USPT May 6, 1997

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Search Results - Record(s) 1 through 4 of 4 returned.

☑ 1. Document ID: US 5162148 A Relevance Rank: 99

L1: Entry 4 of 4 File: USPT Nov 10, 1992

US-PAT-NO: 5162148
DOCUMENT-IDENTIFIER: US 5162148 A

TITLE: Material for manufacturing protective equipment against nuclear, biological and chemical attacks

DATE-ISSUED: November 10, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boye; Philippe	Sete			FRX
Hervet; Daniel	Arras			FRX

US-CL-CURRENT: 442/395; 428/216, 428/483, 428/516

ABSTRACT:

A material for manufacturing protective equipment against nuclear, biological and chemical attacks, including

a non-woven polyolefin substrate

an outer layer made of a polyolefin film,

an intermediate layer of a protective material selected in the group comprising ethylene-hydrolyzed vinyl acetate (with 20-40% ethylene) copolymer (EVOH) and polyethylene terephtalate coated with polyvinylidene chloride,

the different layers being binded together by using suitable binders.

This material is appropriate for manufacturing pieces of clothing, tents, sheets, sleeves, and so on, in a protective purpose.

7 Claims, 3 Drawing figures Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: US 5811359 A Relevance Rank: 99

L1: Entry 2 of 4 File: USPT Sep 22, 1998